



## *Town of Barrington, New Hampshire*

### **CAB & Chassis SPECIFICATIONS**

The purpose of this bid invitation is to establish a contract with a company to provide a Six Wheel dump truck configured for snow removal operations

- Single rear axle dump truck with front plow and single wing with steel dump body and Stainless Steel sander.

It is the intent of these specifications/requirements to describe the Town's minimum requirements for the equipment(s).

#### **GENERAL:**

Bid prices shall remain firm for the duration of the contract.

The Town reserves the right to terminate the contract entered into as a result of this bid if goods and services are at any time deemed to be unsatisfactory.

All vehicles and equipment (Chassis, dump body and plows) furnished by the successful bidder shall be new (2018) or current production model. Optional and standard equipment ordered shall be installed and ready for use, unless otherwise specified. The vehicle (equipment) shall be furnished, installed and fully operational, complete in every detail, and be of such design and construction as to meet the general and special requirements hereinafter set forth. Any parts or units not specifically mentioned, but are necessary to form a complete working unit, shall be furnished by the successful bidder.

Vehicle must meet all Federal, State and safety requirements. The vehicle shall be equipped with manufacturer's standard features unless otherwise specified. This vehicle will be serviced and inspected by the successful bidder prior to delivery to the Town of Barrington, NH.

"Certificate of Origin" will be provided to the Town of Barrington at the time of delivery.

**INSPECTION:**

The vehicles must be inspected and approved by the Highway Department prior to acceptance/payment.

**EXCEPTIONS/DEVIATIONS:**

Any exceptions or deviations need to be addressed in the “comment” section of the tables provided. If additional space is needed to adequately explain exception/deviation, Bidder may submit additional information on their letterhead. Exceptions/deviations that are presented on additional paperwork must be presented in the same order of the table provided.

**SUBMITTAL:**

Failure to submit any and all documents requested may be cause for bid to be rejected.

Bidders must submit the following:

- Manufacturer’s literature is to be provided with bid for trucks and equipment;
- Extended warranty options and costs;

**CAB & CHASSIS**

<b><u>CAB</u></b>	<b>Comply</b>		<b>Comments</b>
	<b>Yes</b>	<b>No</b>	
108” flat roof aluminum conventional cab.			
Seating: Driver seat air suspension, high back; Passenger seat air suspension, high back.			
Cab door latches with manual door locks.			
Door locks and ignition key alike.			
LH and RH exterior grab handles.			
AM/FM radio with weather band, clock and two (2) speakers in the cab.			
Factory installed air conditioning: Denso heavy duty.			
Minimum 18” diameter, adjustable tilt and telescoping steering wheel.			
12 volt power supply in dash.			
Black floor mats.			
2 ½ lb fire extinguishers, mounted in cab.			
Dual west coast bright finish heated mirrors.			
Butterfly hood or hatches to all service points.			
LH & RH 8” bright finish convex mirrors mounted under primary mirrors.			
RH down view mirror			
LH & RH 8” heated SS fender mounted convex mirrors with tripod brackets.			

Instruments and Controls	Comply		Comments
	Yes	No	
Low air pressure light and buzzer.			
Intake mounted air restriction indicator without graduations.			
Key operated ignition.			
<b>Gages:</b>			
Odometer;			
Hour Meter;			
Fuel Gage;			
Ammeter;			
Engine Coolant Temperature;			
Transmission Oil Temperature;			
Engine Oil Pressure;			
Tachometer;			
Speedometer (mph);			
Dash mounted PTO indicator lamp;			
Digital Voltage Display.			
Dash mounted PTO switch.			
Five (5) on/off latching smartplex switches.			
Windshield wiper motor with delay programmed to slowest speed with park brake set.			
Marker light switch integral with headlight switch.			

Engine, Transmission and Driveline	Comply		Comments
	Yes	No	
Diesel engine able to accept up to a 20% biodiesel mixture.			
120 volt 1000 watt block heater.			
Integral exhaust break.			
Cooling: minimum 1100 square inch aluminum heavy duty radiator with long life anti-freeze and a coolant recovery tank.			
Engine driven hydraulic pump for steering system.			
Meritor extended lube (MXL) main drive line with half round yokes.			
Auxiliary cooling for the transmission.			
Auto Neutral when parking park is applied.			

<b>Specific</b>			
Engine – Cummins ISL330hp; 1000 ft lbs @ 1100rpm or Equal.			
Transmission – Allison 3500 RDS automatic transmission with PTO provisions on LH side of main Transmission.			

<b>Axles and Suspension</b>	<b>Comply</b>		<b>Comments</b>
	<b>Yes</b>	<b>No</b>	
Front shock absorbers.			
<b>Specific</b>			
<b>Front Axle:</b> 20,000 lbs Meritor multileaf front suspension.			
<b>Rear Axle:</b> 30,000 lbs Meritor			
Driver controlled traction differential			
Driver controlled differential lock			
Warning light to be provided to indicate lockout engagement.			
GVW lbs 30,000			

<b>Battery and Alternator</b>	<b>Comply</b>		<b>Comments</b>
	<b>Yes</b>	<b>No</b>	
Positive and negative posts for jumpstart. Mounted near or on battery tray/box.			
Four (3) each group 31, 12 volt maintenance free 1950 CCA threaded stud batteries.			
12V 180amp. Alternator			

<b>Brakes</b>	<b>Comply</b>		<b>Comments</b>
	<b>Yes</b>	<b>No</b>	
<b>Front:</b>			
Conmet cast iron brake drums			
Dust shields			
Meritor automatic slack adjusters			
Meritor severe duty brake lining			
<b>Rear:</b>			
Meritor 16.5 x 7 Q+ cast iron, spider cam double anchor, cast brake shoes			
Brake cams and chambers on forward			

side of drive axles			
Conmet cast iron brake drums			
Dust shields			
Meritor severe duty brake lining			
Meritor automatic slack adjustors			
<b>Specific</b>			
<b>Front:</b>			
Meritor 16.5 x 7Q+ cast iron shoes			
Sealed stroke long chamber			
<b>Rear:</b>			
Spider heavy duty cam			
<b>System:</b>			
Dual air brake system			
Bendix ABS without traction control all wheel			
Bendix air dryer with integral air governor and heater			
Steel air brake reservoirs.			
Pull cables on all air reservoirs.			
Drain valve with pull chain.			
Haldex Goldseal long stroke 2-drive Axle spring parking chamber.			

Steering	Comply		Comments
	Yes	No	
Hydraulic power steering.			

Tires and Wheels	Comply		Comments
	Yes	No	
<b>Hubs:</b>			
Front & Rear - Conmet pre-set bearing cast iron			
Front Tire – XZE2 xzu-s 11r-22.5 16 ply radial			
Rear Tire – XDE M/S 11R22.5 16 ply radial			
<b>Rear Wheels – Accuride</b> 28828 22.5 x 8.25 10 hub pilot 5 hand HD steel disc 8000 lb			

Wheelbase and Frame	Comply		Comments
	Yes	No	
7/16 x 3-9/16 x 11-1/8 steel frame 120KSI			

Cross Members: Front closing Weight engine Midship #1 Rear most Suspension			
166" wheel base.			

Fuel Supply	Comply		Comments
	Yes	No	
50 Gallon Aluminum fuel tank and stainless steel straps.			
6 gallon diesel exhaust fluid tank.			
Warning Devices	Comply		Comments
	Yes	No	
Electric backup alarm			
Dual note air horn			
Dual electric horns			

Tow Package	Comply		Comments
	Yes	No	
Trailer towing provision at end of frame			
Trailer connections: Primary connector receptacle wired for combination stop/turn, center pin powered through ignition with stop signal prewire package			

Color	Comply		Comments
	Yes	No	
Cab: Maroon			
Chassis frame: Black			
Wheel rims: Powder Coated White			

Other	Comply		Comments
	Yes	No	
Mud flap brackets and flaps on the system			
Fender and front of hood mounted front mud flaps			
3 ½" fender extensions			
Bright finish radiator shell/hood bezel			

Attachment A

Fiberglass hood with access hatches			
4:56 Rear axle ratio			
Opal Gray Vinyl interior			
Adjustable Tilt and Telescoping Steering Column			
AM/FM Weather band clock radio w/Bluetooth and microphone front USB port			
AM/FM/CB Antenna System			
Smartplex hud module w/overhead switch mounting center console			